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FAX

To: Commissioner for Patents  
United States Patent and Trademark Office  
Fax. No. 571 273 8300

From: Arthur W. Fisher  
Tel: 972 788 1336  
Fax: 972 788 1335

December 12, 2005

No. of pages faxed - 12

Re: SN 10/715,322

Sir,

Attached is a Reply and Amendment response to the Office Action having a mailing date of November 17, 2005. A Fee Transmittal form is also included.

Sincerely,



Arthur W. Fisher

DEC 12 2005

PTO/SB/17 (12-04v2)

Approved for use through 07/31/2006, OMB 0551-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL**  
**For FY 2005**☐ Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)  
None**Complete if Known**

Application Number	10/715,322
Filing Date	11/14/2003
First Named Inventor	Brian A. Hamman
Examiner Name	Anatoly Vortman
Art Unit	2835
Attorney Docket No.	QNX003

**METHOD OF PAYMENT (check all that apply)**

☐ Check ☐ Credit Card ☐ Money Order ☒ None ☐ Other (please identify): \_\_\_\_\_

☐ Deposit Account Deposit Account Number: \_\_\_\_\_ Deposit Account Name: \_\_\_\_\_

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

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☐ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayments

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**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

**Total Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**

17 - 20 or HP = 0 x = 0

HP = highest number of total claims paid for, if greater than 20.

**Indep. Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**

2 - 3 or HP = 0 x = 0

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

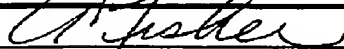
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
100	0	0	0	0

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge):

**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent) 27549	Telephone 972 788 1336
Name (Print/Type)	Arthur W. Fisher	Date	December 12, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

DEC 12 2005

App. No. 10/715,322  
December 12, 2005 Amendment and  
Reply to Office Action mailed November 17,, 2005

Docket No. QNX003

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
**(Attorney Docket No. QNX003)**

In re Application Brian A. Hamman  
of:  
Serial No. 10/715,322  
Filed: November 14, 2003  
For: Liquid Cooling System  
Group No.: 2835  
Examiner: Vortman, Anatoly

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I hereby certify that this correspondence is being I  
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on December 12, 2005

By:

  
Arthur W. Fisher

**REPLY AND AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Responsive to the Office Action having a mail date of November 17, 2005, and citing non-responsiveness of Applicant's Reply and Amendment of Oct. 7, 2005, Applicant has made the election required by the Examiner and in the form so required (over objection by the Applicant as noted in the Remarks below) and amended the claims accordingly, herein.

**Amendment to the Specification** – begin on page 2 of this document.

**Amendment to the Claims** - begin on page 3 of this document.

**Amendment to the Drawings** – begin on page 7 of this document.

**Remarks** - begin on page 8 of this document.